

**ABSTRACT OF THE DISCLOSURE****5                   HIGH PRODUCTIVITY BISPHENOL-A-CATALYST**

10           A high productivity catalyst for bisphenol-A has been discovered which comprises strongly acidic cation-exchange resin spheres produced from a polystyrene/divinylbenzene (PS/DVB) copolymer sulfonated under conditions to introduce sulfone cross-linking. Surprisingly, the sulfone cross-linking improves the resistance to deformation but does not have a negative effect on the activity and selectivity of the catalyst in bisphenol-A production.